APPENDIX F

HARDWARE UTILIZATION

GCCS Hardware Requirements Questionnaire

Form Version 4.0a

Application: __Requirements Development Analysis (RDA)__ Software Version: __Ver 1.3__   Date: __7/31/95__

Individual filling out Questionnaire: __Scott H. Senter_____

  Application Type: ___ Kernel ___COE ___Common __ Mission ___Interface Client

  Application Style: __X__ Server __X__ Client ___Stand-alone

Govt POC:		Secondary POC: Govt____ Contractor __X__
Name/Rank	_CPT. BERLIN_____	Name/Rank __Ray Price__ /__Scott Senter__
Office	_DISA_____	Office __CSC_____
Location	_5600 Columbia Pike_____	Location __Falls Church, VA_____
Telephone	_703.681.2584_____	Telephone __703.876.1598__/__703.876.1494__
FAX	_____	FAX __703.573.1286_____
E-Mail	_____	E-Mail __rprice @ csc.com__/__ssenter @ csc.com__

How many of segments make up this application: __2_____

    Please list the segments:
1. __RDA_____
2. __RDASRV_____
3. _____

Please list the dependancies this application has on COTS/GOTS or other segments of the COE:
1. **Oracle RDBMS Oracle 7 Server Release 7.1.3 or higher w/distributed option Oracle PL/SQL PL/SQL Release 2.1.4.0.0**
2. **Oracle SQL NET v. 2.0**
3. **JOPES Core Database (SMDB Segment)**
4. **Solaris 2.3**
5. **GSORTS Tables**

Please list what peripherals are required by this application:
1. _____
2. _____
3. _____
4. _____

Please describe any Operating System or COTS/GOTS modifications that are required to support this application:
___**Follow the installations instructions supplied with the RDA Segmentation**._____
___**Note: Reserved SOCKET 12000 thru 12150, GMNETD is Gain Momentum Net Daemon is now built into the RDA segment.**_____

The next two pages contain a matrix of specific questions regarding the GCCS applications and how they functions. The information compiled from completed questionnaires will be used to provide performance data and sizing metrics to the Service/Agencies and CINCs for purchasing GCCS platforms.

All cells beneath the three operating systems are required. Acceptable answers are specific numbers, Yes, No, N/A, or TBD. The answer TBD must include a date to show when this information will be provided to the GCCS Engineering Office. Incomplete forms will be returned.

RETURN TO: Capt Gregory A. Csehoski / GCCS Engineering Office

	Solaris 2.3	HP-UX-9.0.1	MS DOS
General:			
Will the application operate on these operating systems?	**YES**	**YES**	**NO**
Is the application segmented for these operating systems?	**YES**	**TBD**	**N/A**
Under what versions of MS DOS will the application run?	**N/A**	**N/A**	**N/A**
Under what versions of MS Windows will the application run ?	**N/A**	**N/A**	**WIN NT 3.1**
Operating Scenario:			
Does the **client** application reside on the local hard disk?	**YES**	**YES**	**N/A**
Is the **client** application downloaded from the **server** location into local RAM and operated from this location?	**YES**	**YES**	**N/A**
Is there a **text based** version of this application?	**NO**	**NO**	**N/A**
How many simultaneous **XTerm** sessions will the application support?	**# Server Supports**	**# Server Supports**	**N/A**
Must the data base used by the **client** application reside on the same platform?	**NO**	**NO**	**N/A**
Must the data base used by the **server** application reside on the same platform?	**NO**	**NO**	**N/A**
Hardware:			
How much hard disk space (MB) is required for the **server** application program (do not include **data** base)? ***Either Server or Client**	**100MB**	**N/A**	**N/A**
How much hard disk space (MB) is required for the **client** application program (do not include data base)?	**100MB**	**N/A**	**N/A**
How much temporary/swap hard disk space (MB) is required while the **server** application is running?	**64MB**	**N/A**	**N/A**
How much temporary/swap hard disk space (MB) is required while the **client** application is running?	**32MB**	**N/A**	**N/A**
How much hard disk space (MB) is required for the data base associated with the application? **Entire JOPES Database**	**12Gbytes**	**N/A**	**N/A**
How much RAM (MB) is required while the **server** application is running?	**Based on # of Users**	**N/A**	**N/A**
How much RAM (MB) is required while the **server** application is inactive as a background process?	**N/A**	**N/A**	**N/A**
How much RAM (MB) is required while the **client** application is running?	**24 MB**	**N/A**	**N/A**
How much RAM (MB) is required while the **client** application is inactive as a background process?	**If Not up 0 MB**	**N/A**	**N/A**
What type of processor is required to run the **server** application?	**SPARC 20**	**N/A**	**N/A**
What is the minimal acceptable **server** processor speed (MHZ)?	**40MHz**	**N/A**	**N/A**
What is the minimal acceptable number of processors for the **server** application if it can use multiple processors?	**1**	**N/A**	**N/A**
What type of processor is required to run the **client** application? **Runtime**	**ALL SPARCS**	**N/A**	**N/A**
What is the minimal acceptable **client** processor speed (MHZ)? **Runtime**	**ALL SPARCS**	**N/A**	**N/A**
What is the minimal acceptable number of processors for the **client** application if it can use multiple processors?	**N/A**	**N/A**	**N/A**

Throughput [Bandwidth (BW)]:			
What minimal BW (kbps) is required for the **server** application to access the data base when they reside on the same LAN?	N/A	N/A	N/A
What optimal BW (kbps) is required for the **server** application to access the data base when they reside on the same LAN?	N/A	N/A	N/A
What minimal BW (kbps) is required for the **server** application to access the data base when they reside on different LANs?	N/A	N/A	N/A
What optimal BW (kbps) is required for the **server** application to access the data base when they reside on different LANs?	N/A	N/A	N/A
What minimal BW (kbps) is required for the **client** application to access the data base when they reside on the same LAN?	512Kbps	N/A	N/A
What optimal BW (kbps) is required for the **client** application to access the data base when they reside on the same LAN?	10,000 Kbps	N/A	N/A
What minimal BW (kbps) is required for the **client** application to access the GCCS LAN over a telephone dial-in line?	N/A	N/A	N/A
What optimal BW (kbps) is required for the **client** application to access the GCCS LAN over a telephone dial-in line?	N/A	N/A	N/A
Additional Comments:			
Memory requirements for an XTERM session is a minimal of 16MB per X client, recommend 24MB per X client.			
All memory requirements includes Operating System, Desktop, and running application.			
We are not able separate out how much memory is needed to open additional X sessions, however the software will use the swap memory to handle any overflow X process needed.			

Please complete and return this form to the GCCS Engineering Office, JIEO/JEAC, Capt Gregory A. Csehoski via e-mail at CSEHOSKG@CC.IMS.DISA.MIL or Unclassified FAX, 703-735-8504/DSN 653-8504. Any questions, comments, or suggestions should be directed to Captain Csehoski, 703-735-8760/DSN 653-8760.

NOTE: The telephone numbers and office code for the GCCS Engineering Office have changed. The correct numbers are listed above.